Superfamily SCIOMYZOIDEA

84. Family COELOPIDAE

By Wayne N. Mathis

Coelopids are commonly known as seaweed or kelp flies. The family contains less than 25 species worldwide, with nearly half occurring in the temperate areas of the Australasian Region. Elsewhere in the world the family is also found in temperate areas, with species occurring in the southern Afrotropical and Holarctic Regions. Several additional species from the Australasian Region await description.

There is considerable intraspecific variation in some species, especially in overall size, wing length, and setal characters. The plasticity found in many “traditional” characters has led to considerable splitting at the generic level.

Under normal conditions coelopids are found in the wrack zone of temperate seashores where larvae exploit stranded and rotting seaweed. Specimens are sometimes very abundant in this habitat. *Coelopa frigida* (Fabricius) has been reared in the laboratory and used for genetic studies.

Ref.: Malloch (1933c, key).

Genus BAEOPTERUS Lamb


*PAEOPTERUS*, error for *Baeopterus*.

Subgenus BAEOPTERUS Lamb

BAEOPTERUS Lamb, 1909: 141 (as gen.). Type species: Baeopterus robustus Lamb, 1909, mon.

robustus Lamb, 1909: 142. NZ (Campbell I); NZ (Auckland Is).

Subgenus PROTOCOELOPA Malloch

PROTOCOELOPA Malloch, 1933c: 345 (as gen.). Type species: Protocoelopa philpotti Malloch, 1933, org. des.

philpotti Malloch, 1933c: 346 (*Protocoelopa*). NZ (NZ); NZ (Chatham Is). N. comb.


Genus ICARDIDON Lamb


debile Lamb, 1909: 140 (*Coelopa*). NZ (Campbell I); Macquarie I, widesp. NZ. N. comb.

*nigrifrons* Lamb, 1909: 140 (*Coelopa*). Macquarie I.

nasutum Lamb, 1909: 141. NZ (Campbell I); NZ (Antipodes Is, Auckland Is).

Genus CHAETOPOELOPA Malloch

CHAEETOPOELOPA Malloch, 1933c: 350. Type species: Coelopa monstruosa Hutton, 1901 [= Coelopa littoralis Hutton, 1881], org. des.

huttoni Harrison, 1959: 103. NZ (NZ).

littoralis Hutton, 1881: 69 (*Coelopa*). NZ (NZ).

monstruosa Hutton, 1901: 80 (*Coelopa*). NZ (NZ).
sydneyensis Schiner, 1868: 231 (Phycodra). Australia (NSW).

Genus DASYCOELOPA Malloch

DASYCOELOPA Malloch, 1933c: 348. Type species: Dasycoelopa australis Malloch, 1933, orig. des. australis Malloch, 1933c: 349. Australia (Qld); Australia (NSW).

Genus COELOPA Meigen

COELOPA Meigen, 1830: 8. Type species: Musca frigida Fabricius, 1805 [= Coelopa pilipes Haliday, 1838], mon. CAELOPA, error for Coelopa.

Subgenus COELOPA Meigen

COELOPA Meigen, 1830: 8 (as gen.). Type species: Musca frigida Fabricius, 1805 [= Coelopa pilipes Haliday, 1838], mon. palauensis Hardy, 1957b: 44. Micronesia; Belau.

Subgenus FUCOMYIA Haliday

FUCOMYIA Haliday in Curtis, 1837b: 280 (as gen.). Type species: Musca frigida Fabricius, 1805, des. Westwood, 1840: 144. [Published in synonymy; first made available in Haliday, 1838: 186.] curvipes Hutton, 1902a: 172. NZ (Auckland Is); NZ (NZ). stejnegeri Aldrich, 1929: 5. St. Paul I (Bering Sea); Hawaiian Is [intercepted; not established]; Canada, USA (Alaska).

Genus COELOPELLA Malloch


Unplaced species of Coelopidae

offendens Walker, 1861a: 320 (Coelopa). Australia (Tas). Nomen dubium.